

# Converting Colors

$Yxy(37.9094, 0.3033, 0.3928)$

Have a look what the booklet for  
Yxy(37.9094, 0.3033, 0.3928)  
contains.

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# Color

**Yxy(37.9176, 0.3031, 0.3923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81B189
RGB	129, 177, 137
RGB Percent	51%, 69%, 54%
CMY	0.4939, 0.3059, 0.4627
CMYK	0.27, 0.00, 0.23, 0.31
HSL	130°, 24%, 60%
HSV	130°, 27%, 69%
XYZ	29.2960, 37.9176, 29.4410
YIQ	158.0880, -15.7680, -22.6160

# Conversions

## Conversions Part 2

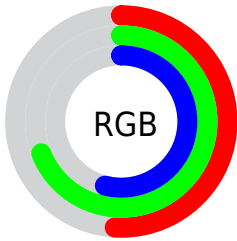
Format	Color
<b>RYB</b>	129, 170, 177
Decimal	8499593
CIELab	67.96, -24.15, 15.43
CIElCh	68, 28.656, 147.422
Yxy	37.9176, 0.3031, 0.3923
Android (android.graphics.Color)	4286689673 (0xFF81B189)
YUV	158.0880, -10.3964, -25.5102
Hunter-Lab	61.5773, -22.8370, 14.7567

# Details

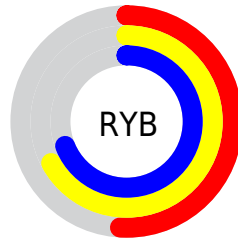
The Yxy color **37.9176, 0.3031, 0.3923** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.9259, 0.3241, 0.2730**, and the grayscale version is **34.2923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0628, 0.3057, 0.3801**, and **16.7231, 0.2987, 0.4139** is the 20% darker color. If you saturate the color by 10%, you get **36.2553, 0.2998, 0.4205**, and if you desaturate by 10%, it is **39.8812, 0.3066, 0.3666**.

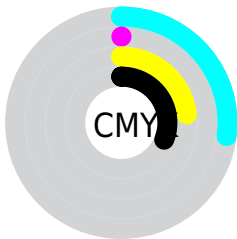
# Distribution



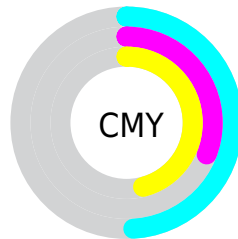
- Red (51%)
- Green (69%)
- Blue (54%)



- Red (51%)
- Yellow (67%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (23%)
- Black (31%)




- Cyan (49%)
- Magenta (31%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9176, 0.3031, 0.3923 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 37.9176, 0.3031, 0.3923 by changing the saturation by 10% instead.





 37.9176, 0.3031,  
0.3923


 37.9176, 0.3031,  
0.3923


337.2664, 0.3087,  
0.3583

 25.9187, 0.3014,  
0.4016


 71.9818, 0.3054,  
0.3793

 16.7629, 0.2990,  
0.4141


 94.8160, 0.3061,  
0.3747

 10.0656, 0.2954,  
0.4318


 122.0307, 0.3068,  
0.3708

 5.4424, 0.2895,  
0.4584

154.0103, 0.3073,  
0.3675

 2.5091, 0.2783,  
0.5029

191.1393, 0.3077,  
0.3647

 0.8812, 0.2197,  
0.7803

233.8021, 0.3081,

 0.0000, 0.0000,

0.3623

0.0000

282.3830, 0.3084,  
0.3602

■ 37.9176, 0.3031,  
0.3923

■ 37.9176, 0.3031,  
0.3923

■ 36.2553, 0.2998,  
0.4205

■ 39.8812, 0.3066,  
0.3666

■ 34.8748, 0.2968,  
0.4505

■ 42.1549, 0.3102,  
0.3436

■ 33.7617, 0.2946,  
0.4814

■ 44.7533, 0.3137,  
0.3234

■ 32.8985, 0.2932,  
0.5116


■ 47.6884, 0.3171,  
0.3057

■ 32.2653, 0.2929,  
0.5394


■ 50.9718, 0.3203,  
0.2903

 31.8394, 0.2937,  
0.5629

 54.6143, 0.3232,  
0.2770

 31.5889, 0.2954,  
0.5807

 58.6264, 0.3260,  
0.2655

 31.5326, 0.2958,  
0.5849

 59.9221, 0.3163,  
0.2527

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.9176, 0.3456, 0.4065



37.9176, 0.3031, 0.3923



37.9176, 0.2649, 0.3569

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.9176, 0.3031, 0.3923



37.9176, 0.2467, 0.2624



37.9176, 0.3907, 0.3353

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37.9176, 0.3031, 0.3923



27.9259, 0.3241, 0.2730

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



37.9176, 0.3606, 0.3019



37.9176, 0.3031, 0.3923



37.9176, 0.2765, 0.2612

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.9176, 0.3031, 0.3923



37.9176, 0.2340, 0.2806



37.9176, 0.3179, 0.2755



37.9176, 0.3980, 0.3694



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.9176, 0.3031, 0.3923



37.9176, 0.2466, 0.3284



37.9176, 0.3179, 0.2755



37.9176, 0.3828, 0.3237

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37.9192, 0.3031, 0.3923



75.0498, 0.3098, 0.3459



41.5525, 0.3461, 0.3970



16.1280, 0.3093, 0.3492



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.9192, 0.3031, 0.3923



65.9278, 0.3009, 0.4103



38.6586, 0.2858, 0.3547



9.5123, 0.3094, 0.3485



22.8543, 0.2954, 0.5835



0.7261, 0.2828, 0.5382



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.9259, 0.3241, 0.2730



44.7807, 0.3275, 0.2595



27.1298, 0.3501, 0.3048



8.6220, 0.3162, 0.3102



8.3210, 0.3671, 0.1796



0.2682, 0.3522, 0.1714



# Previews

## White Background



This preview shows how the Yxy color 37.9176, 0.3031, 0.3923 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

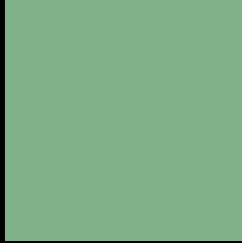
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.9176, 0.3031, 0.3923 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

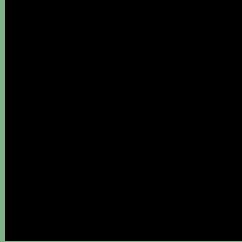
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 37.9176, 0.3031, 0.3923**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.9176, 0.3031, 0.3923.



This preview shows how white text looks on a background with the Yxy color 37.9176, 0.3031, 0.3923.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

37.9176, 0.3031, 0.3923

### Protanopia

37.6629, 0.3531, 0.3775

### Deuteranopia

37.6665, 0.3608, 0.3535



## Tritanopia

37.9898, 0.2749, 0.3099

# Trichromacy



**Original Color**

37.9176, 0.3031, 0.3923

**Protanomaly**

37.3385, 0.3334, 0.3828

**Deuteranomaly**

37.4907, 0.3376, 0.3667

**Tritanomaly**

37.8281, 0.2851, 0.3380

# Monochromacy



**Original Color**

37.9176, 0.3031, 0.3923

**Achromatopsia**

34.1914, 0.3127, 0.3290

**Achromatomaly**

35.3153, 0.3089, 0.3519

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  37.9176, 0.3031, 0.3923 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(129, 177, 137)` looks like.

```
.text, #text, p{  
    color:rgb(129, 177, 137)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(129, 177, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 177, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 37.9176, 0.3031, 0.3923 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 177, 137) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(129, 177, 137) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(129, 177, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 177, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 177, 137);  
box-shadow:4px 4px 4px 4px rgb(129, 177,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.9176, 0.3031, 0.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 177, 137) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(129,  
177, 137) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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